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RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/110,720*

DATE: 07/16/98
TIME: 12:49:16

INPUT SET: S27505.raw

> **This Raw Listing contains the General Information Section and up to the first 5 pages.**

```
 1                          SEQUENCE LISTING
 2
 3  (1)    General Information
 4
 5         (i) APPLICANT: BILLING-MEDEL, PATRICIA
 6                       COHEN, MAURICE                    ENTERED
 7                       COLPITTS, TRACEY L.
 8                       FRIEDMAN, PAULA N.
 9                       GORDON, JULIAN
10                       GRANADOS, EDWARD N.
11                       HODGES, STEVEN C.
12                       KLASS, MICHAEL R.
13                       KRATOCHVIL, JON D.
14                       RUSSELL, JOHN C.
15                       STROUPE, STEPHEN D.
16                       YU, HONG
17
18
19        (ii) TITLE OF THE INVENTION: METHODS AND REAGENTS USEFUL
20                 FOR DETECTING DISEASES OF THE BREAST
21
22        (iii) NUMBER OF SEQUENCES: 37
23
24        (iv) CORRESPONDENCE ADDRESS:
25           (A) ADDRESSEE: Abbott Laboratories
26           (B) STREET: 100 Abbott Park Road
27           (C) CITY: Abbott Park
28           (D) STATE: IL
29           (E) COUNTRY: USA
30           (F) ZIP: 60064-3500
31
32        (v) COMPUTER READABLE FORM:
33           (A) MEDIUM TYPE: Diskette
34           (B) COMPUTER: IBM Compatible
35           (C) OPERATING SYSTEM: DOS
36           (D) SOFTWARE: FastSEQ for Windows Version 2.0
37
38        (vi) CURRENT APPLICATION DATA:
39           (A) APPLICATION NUMBER:
40           (B) FILING DATE:
41           (C) CLASSIFICATION:
42
43        (vii) PRIOR APPLICATION DATA:
44           (A) APPLICATION NUMBER: 08/889,127
45           (B) FILING DATE: 07-JUL-1997
46
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47
48
49        (viii) ATTORNEY/AGENT INFORMATION:
50            (A) NAME: Becker, Cheryl L.
51            (B) REGISTRATION NUMBER: 35,441
52            (C) REFERENCE/DOCKET NUMBER: 6130.US.P1
53
54        (ix) TELECOMMUNICATION INFORMATION:
55            (A) TELEPHONE: 847/935-1729
56            (B) TELEFAX: 847/938-2623
57            (C) TELEX:
58
59
60            (2) INFORMATION FOR SEQ ID NO:1:
61
62        (i) SEQUENCE CHARACTERISTICS:
63            (A) LENGTH: 270 base pairs
64            (B) TYPE: nucleic acid
65            (C) STRANDEDNESS: single
66            (D) TOPOLOGY: linear
67
68
69        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
70
71    GTCACCACCA TCAGGACAAG TGTAACCTTT AAGCTAAATG AAGGCAAGTG TAGTTTGAAA        60
72    AATGCTGAGC TGTTTCCCGA GGGTCTGCGA CCAGCACTAC CAGAGAAGCA CAGCTCAGTA       120
73    AAAGAGAGCT TCCGCTACGT AAACCTTACA TGCAGCTCTG GCAAGCAAGT CCCAGGAGCC       180
74    CCTGGCCGAC CAAGCACCCC TAAGGAAATG TTTATCACTG TTGAGTTTGA GCTTGAAACT       240
75    AACCAAAAGG AGGTGACAGC TTCTTGTGAC                                        270
76
77            (2) INFORMATION FOR SEQ ID NO:2:
78
79        (i) SEQUENCE CHARACTERISTICS:
80            (A) LENGTH: 275 base pairs
81            (B) TYPE: nucleic acid
82            (C) STRANDEDNESS: single
83            (D) TOPOLOGY: linear
84
85
86        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
87
88    GGAAATGTTT ATCACTGTTG AGTTTGAGCT TGAAACTAAC CAAAAGGAGG TGACAGCTTC        60
89    TTGTGACCTG AGCTGCATCG TAAAGCGAAC CGAGAAGCGG CTCCGTAAAG CCATCCGCAT       120
90    GCTCAGAAAG GCCGTCCACA GGGAGCAGTT TCACCTCCAG CTCTCAGGCA TGAACCTCGA       180
91    CGTGGCTAAA AAGCCTCCCA GAACATCTGA ACGCCAGGCA GAGTCCTGTG GAGTGGGCCA       240
92    GGGTCATGCA GAAAACCAAT GTGTCAGTTG CAGGG                                  275
93
94            (2) INFORMATION FOR SEQ ID NO:3:
95
96        (i) SEQUENCE CHARACTERISTICS:
97            (A) LENGTH: 254 base pairs
98            (B) TYPE: nucleic acid
99            (C) STRANDEDNESS: single
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100                     (D) TOPOLOGY: linear
101
102
103            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
104
105    AGCGGCTCCG TAAAGCCATC CGCACGCTCA GAAAGGCCGT CCACAGGGAG CAGTTTCACC      60
106    TCCAGCTCTC AGGCATGAAC CTCGACGTGG CTAAAAAGCC TCCCAGAACA TCTGAACGCC     120
107    AGGCAGAGTC CTGTGGAGTG GGCCAGGGTC ATGCAGAAAA CCAATGTGTC AGTTGCAGGG     180
108    CTGGGACCTA TTATGATGGA GCACGAGAAC GCTGCATTTT ATGTCCAAAT GGAACCTTCC     240
109    AAAATGAGGA AGGA                                                       254
110
111            (2) INFORMATION FOR SEQ ID NO:4:
112
113            (i) SEQUENCE CHARACTERISTICS:
114                (A) LENGTH: 225 base pairs
115                (B) TYPE: nucleic acid
116                (C) STRANDEDNESS: single
117                (D) TOPOLOGY: linear
118
119
120            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
121
122    GGAAGGACAA ATGACTTGTG AACCATGCCC AAGACCAGGA AATTCTGGGG CCCTGAAGAC      60
123    CCCAGAAGCT TGGAATATGT CTGAATGTGG AGGTCTGTGT CAACCTGGTG AATATTCTGC     120
124    AGATGGCTTT GCACCTTGCC AGCTCTGTGC CCTGGGCACG TTCCAGCCTG AAGCTGGTCG     180
125    AACTTCCTGC TTCCCCTGTG GAGGAGGCCT TGCCACCAAA CATCA                     225
126
127            (2) INFORMATION FOR SEQ ID NO:5:
128
129            (i) SEQUENCE CHARACTERISTICS:
130                (A) LENGTH: 245 base pairs
131                (B) TYPE: nucleic acid
132                (C) STRANDEDNESS: single
133                (D) TOPOLOGY: linear
134
135            (ix) FEATURE:
136                (A) NAME/KEY: base_polymorphism
137                (B) LOCATION: 91
138                (D) OTHER INFORMATION: /note= " N' represents an A or G or
139                        T or C polymorphism at this position"
140
141            (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
142
143    CTGTGGAGGA GGCCTTGCCA CCAAACATCA GGGAGCTACT TCCTTTCAGG ACTGTGAAAC      60
144    CAGAGTTCAA TGTTCACCTG GACATTTCTA NAACACCACC ACTCACCGAT GTATTCGTTG     120
145    CCCAGTGGGA ACATACCAGC CTGAATTTGG AAAAAATAAT TGTGTTTCTT GCCCAGGAAA     180
146    TACTACGACT GACTTTGATG GCTCCACAAA CATAACCCAG TGTAAAAACA GAAGATGTGG     240
147    AGGGG                                                                 245
148
149            (2) INFORMATION FOR SEQ ID NO:6:
150
151            (i) SEQUENCE CHARACTERISTICS:
152                (A) LENGTH: 206 base pairs
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153              (B) TYPE: nucleic acid
154              (C) STRANDEDNESS: single
155              (D) TOPOLOGY: linear
156
157
158          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
159
160     GTTCACCTGG ACATTTCTAC AACACCACCA CTCACCGATG TATTCGTTGC CCAGTGGGAA     60
161     CATACCAGCC TGAATTTGGA AAAAATAATT GTGTTTCTTG CCCAGGAAAT ACTACGACTG    120
162     ACTTTGATGG CTCCACAAAC ATAACCCAGT GTAAAAACAG AAGATGTGGA GGGGAGCTGG    180
163     GAGATTTCAC TGGGTACATT GAATCC                                         206
164
165          (2) INFORMATION FOR SEQ ID NO:7:
166
167          (i) SEQUENCE CHARACTERISTICS:
168              (A) LENGTH: 181 base pairs
169              (B) TYPE: nucleic acid
170              (C) STRANDEDNESS: single
171              (D) TOPOLOGY: linear
172
173          (ix) FEATURE:
174              (A) NAME/KEY: base_polymorphism
175              (B) LOCATION: 55
176              (D) OTHER INFORMATION: /note= " N' represents an A or G or
177                   T or C polymorphism at this position"
178
179          (ix) FEATURE:
180              (A) NAME/KEY: base_polymorphism
181              (B) LOCATION: 162
182              (D) OTHER INFORMATION: /note= " N' represents an A or G or
183                   T or C polymorphism at this position"
184
185          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
186
187     TGAATCCCCA AACTACCCAG GCAATTACCC AGCCAACACC GAGTGTACGT GGACNATCAA     60
188     CCCACCCCCC AAGCGCCGCA TCCTGATCGT GGTCCCTGAG ATCTTCCTGC CCATAGAGGA    120
189     CGACTGTGGG GACTATCTGG TGATGCGGAA AACCTCTTCA TNCAATTCTG TGACAACATA    180
190     T                                                                    181
191
192          (2) INFORMATION FOR SEQ ID NO:8:
193
194          (i) SEQUENCE CHARACTERISTICS:
195              (A) LENGTH: 280 base pairs
196              (B) TYPE: nucleic acid
197              (C) STRANDEDNESS: single
198              (D) TOPOLOGY: linear
199
200          (ix) FEATURE:
201              (A) NAME/KEY: base_polymorphism
202              (B) LOCATION: 81
203              (D) OTHER INFORMATION: /note= " N' represents an A or G or
204                   T or C polymorphism at this position"
205
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206              (ix)  FEATURE:
207                    (A)  NAME/KEY: base_polymorphism
208                    (B)  LOCATION: 125
209                    (D)  OTHER INFORMATION: /note= " N' represents an A or G or
210                          T or C polymorphism at this position"
211
212              (ix)  FEATURE:
213                    (A)  NAME/KEY: base_polymorphism
214                    (B)  LOCATION: 174
215                    (D)  OTHER INFORMATION: /note= " N' represents an A or G or
216                          T or C polymorphism at this position"
217
218              (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:8:
219
220   CAACATATGA AACCTGCCAG ACCTACGAAC GCCCCATCGC CTTCACCTCC AGGTCAAAGA        60
221   AGCTGTGGAT TCAGTTCAAG NCCAATGAAG GGAACAGCGC TAGAGGGTTC CAGGTCCCAT       120
222   ACGTNACATA TGATGAGGAC TACCAGGAAC TCATTGAAGA CATAGTTCGA GATNGCAGGC       180
223   TCTATGCATC TGAGAACCAT CAGGAAATAC TTAAGGATAA GAAACTTATC AAGGCTCTGT       240
224   TTGATGTCCT GGCCCATCCC CAGAACTATT TCAAGTACAC                            280
225
226            (2)  INFORMATION FOR SEQ ID NO:9:
227
228              (i)  SEQUENCE CHARACTERISTICS:
229                 (A)  LENGTH: 261 base pairs
230                 (B)  TYPE: nucleic acid
231                 (C)  STRANDEDNESS: single
232                 (D)  TOPOLOGY: linear
233
234              (ix)  FEATURE:
235                    (A)  NAME/KEY: base_polymorphism
236                    (B)  LOCATION: 79
237                    (D)  OTHER INFORMATION: /note= " N' represents an A or G or
238                          T or C polymorphism at this position"
239
240              (ix)  FEATURE:
241                    (A)  NAME/KEY: base_polymorphism
242                    (B)  LOCATION: 258
243                    (D)  OTHER INFORMATION: /note= " N' represents an A or G or
244                          T or C polymorphism at this position"
245
246              (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:9:
247
248   GAAACTTATC AAGGCTCTGT TTGATGTCCT GGCCCATCCC CAGAACTATT TCAAGTACAC        60
249   AGCCCAGGAG TCCCGAGANA TGTTTCCAAG ATCGTTCATC CGATTGCTAC GTTCCAAAGT       120
250   GTCCAGGTTT TTGAGACCTT ACAAATGACT CAGCCCACGT GCCACTCAAT ACAAATGTTC       180
251   TGCTATAGGG TTGGTGGGAC AGAGCTGTCT TCCTTCTGCA TGTCAGCACA GTCGGGTATT       240
252   GCTGCCTCCC GTATCAGNGA C                                                 261
253
254            (2)  INFORMATION FOR SEQ ID NO:10:
255
256              (i)  SEQUENCE CHARACTERISTICS:
257                 (A)  LENGTH: 282 base pairs
258                 (B)  TYPE: nucleic acid
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/110,720*

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Line	Error	Original Text
16	Response Exceeds Line Limitations	YU, HONG